YGS-Tech YGS-WIFIDL-5W2IN

YGS-Tech Smart 2 Inch LED Recessed Lighting RGB WiFi Downlight User Manual

Model: YGS-WIFIDL-5W2IN

Introduction Safety Information Package Contents Specifications Setup & Installation Operating Instructions Maintenance Troubleshooting Warranty & Support

1. Introduction

This manual provides essential instructions for the safe installation, operation, and maintenance of your YGS-Tech Smart 2 Inch LED Recessed Lighting. This product features RGB and CCT (2700-6500K) color changing capabilities, Wi-Fi connectivity, and compatibility with Alexa and Google Home for smart control. Please read this manual thoroughly before installation and retain it for future reference.

2. Important Safety Information

- **Electrical Safety:** Always turn off power at the circuit breaker before installing, removing, or servicing the fixture. Improper installation can lead to electric shock or fire.
- **Qualified Electrician:** If you are unsure about the installation process, consult a qualified electrician.
- **Voltage:** Ensure the power supply voltage (120V) matches the fixture's requirements.
- **Indoor Use Only:** This product is designed for indoor use. Do not expose to moisture or outdoor elements.
- **Ventilation:** Ensure adequate ventilation around the fixture to prevent overheating.
- **Damage:** Do not operate the fixture if it is damaged. Contact customer support for assistance.

3. Package Contents

Verify that all components are present before beginning installation:

- YGS-Tech Smart 2 Inch LED Recessed Downlights (Quantity as per pack size, e.g., 10 lights for a 10-pack)
- Integrated LED Drivers (one per light)
- Instruction Manual

Note: No additional recessed housing cans or accessories are required for installation.

4. Product Specifications

Brand	YGS-Tech
Model Name	YGS-WIFIDL-5W2IN
Light Fixture Form	Recessed Downlight
Color	RGB (Red, Green, Blue) & Tunable White
Color Temperature	2700K-6500K (CCT)
Wattage	5 Watts
Brightness	500 Lumens
Voltage	110 Volts
Control Method	Wi-Fi (2.4GHz only), App Control, Voice Control (Alexa, Google Home)
Special Features	Dimmable, Instant On, Color Changing
Material	Metal, Acrylonitrile Butadiene Styrene, Aluminum, Plastic
Product Dimensions	1"L x 1"W x 1"H (Fixture body)
Cut Hole Size	2.16 - 2.5 inches
Life Expectancy	More than 40,000 hours

Product Dimensions Diagram

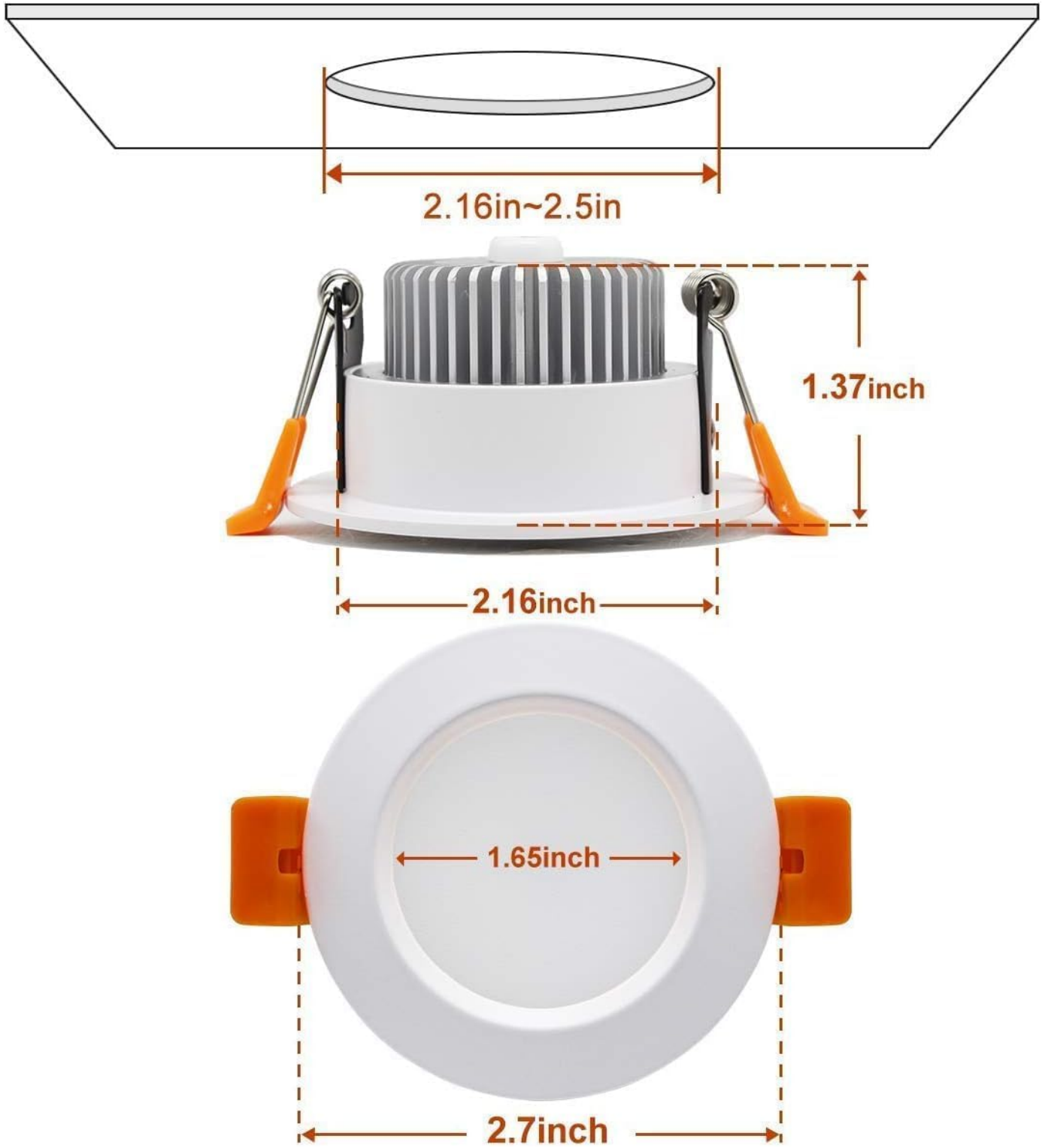


Image: Detailed dimensions of the recessed light fixture, indicating a 2.16-inch diameter and 1.37-inch height, with a recommended ceiling cut-out range of 2.16 to 2.5 inches.

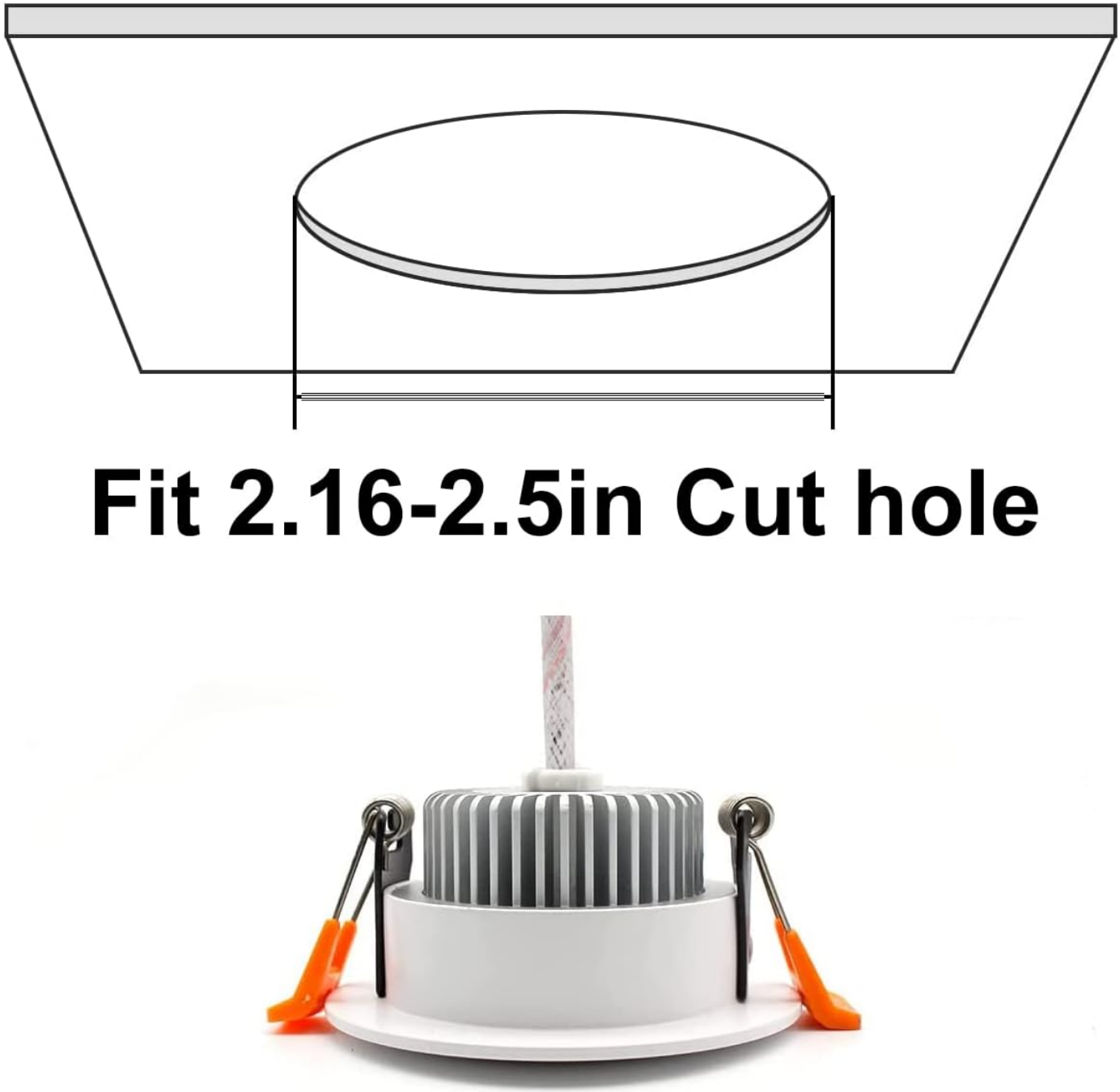


Image: Diagram emphasizing the required ceiling cut hole size, which should be between 2.16 and 2.5 inches for proper installation.

5. Setup & Installation

Follow these steps for safe and proper installation of your recessed lighting fixtures:

1. **Prepare the Installation Area:** Turn off the main power supply at the circuit breaker before starting any electrical work. Use a hole saw to drill a hole in the ceiling with a diameter between 2.16 and 2.5 inches.
2. **Connect Wiring:** Connect the household electrical wires to the LED driver's wires. Ensure proper polarity (Live to Live, Neutral to Neutral). Use appropriate wire connectors.
3. **Insert Driver and Light:** Gently push the LED driver box into the ceiling hole.
4. **Secure the Fixture:** Push the spring clips on the sides of the light fixture upwards. Insert the fixture into the ceiling hole. The spring clips will automatically secure the light in place against the ceiling.
5. **Restore Power:** Once all fixtures are securely installed, restore power at the circuit breaker.

Installation Diagram

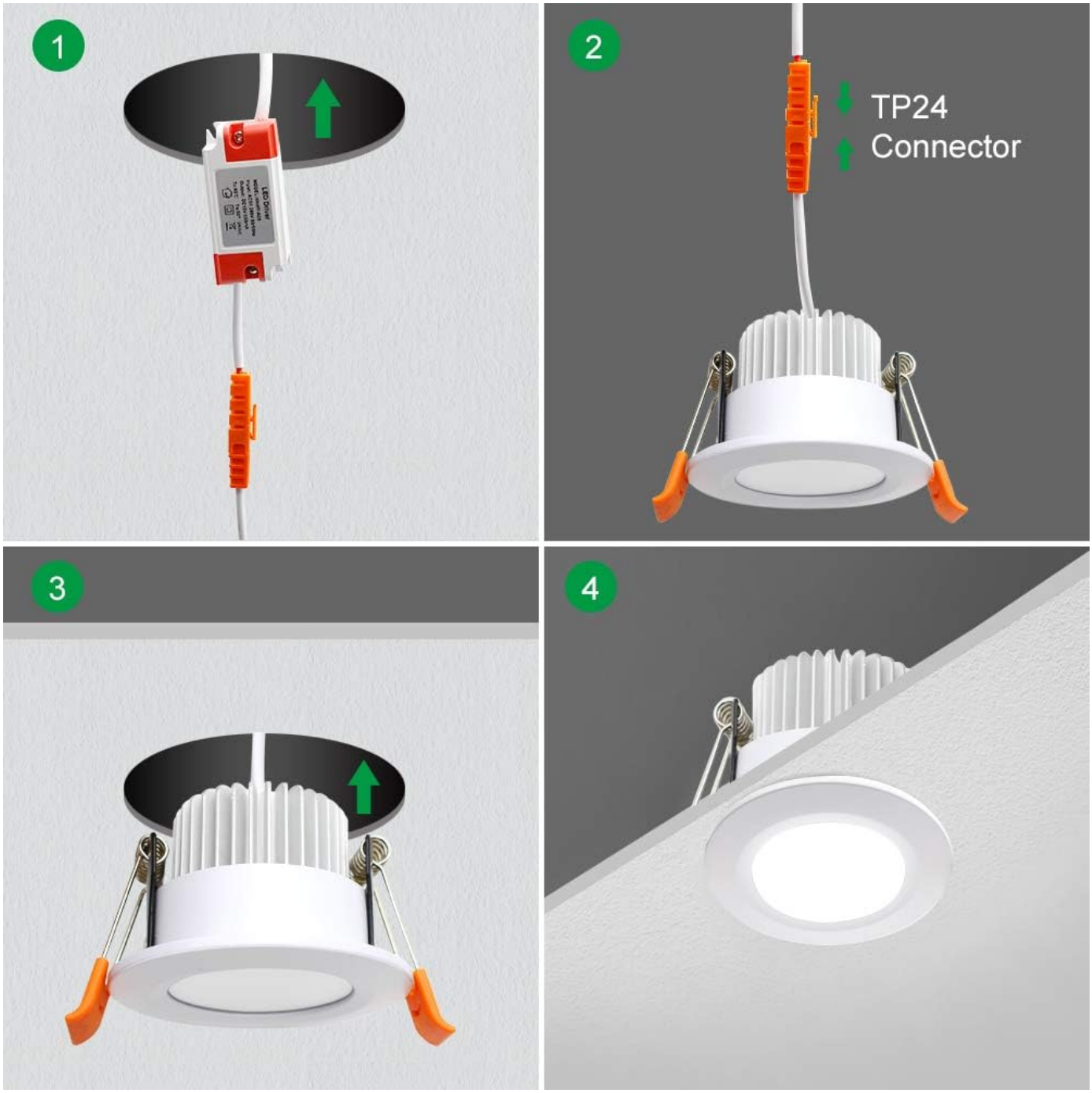


Image: Visual guide demonstrating the four steps for installing the recessed light: drilling the hole, connecting the wires, engaging the spring clips, and inserting the fixture into the ceiling.



Image: A comprehensive diagram illustrating the installation process, from drilling the correct size hole to wiring connections and securing the light with spring clips.

6. Operating Instructions

6.1 Smart Life App Connection

To unlock the full smart features of your YGS-Tech recessed lights, connect them to the Smart Life app:

1. **Download the App:** Download the "Smart Life" app from your smartphone's app store (available on iOS and Android). You can also scan the QR code on the product packaging or visit smartapp.tuya.com/smartlife.
2. **Register/Log In:** Open the app and register for a new account or log in if you already have one.
3. **Add Device:** Ensure your phone is connected to a 2.4GHz Wi-Fi network. In the Smart Life app, tap "Add Device" or the "+" icon.
4. **Select Lighting:** Choose 'Lighting' from the device categories, then select 'Light Source (Wi-Fi)'.
5. **Connect to Wi-Fi:** Follow the in-app instructions to connect the lights to your 2.4GHz Wi-Fi network. You may need to cycle the power of the lights (turn off/on several times) to put them into pairing mode (they will flash).
6. **Device Added:** Once successfully connected, the app will confirm the device has been added. You can then rename the lights for easier control.

App Connection Steps

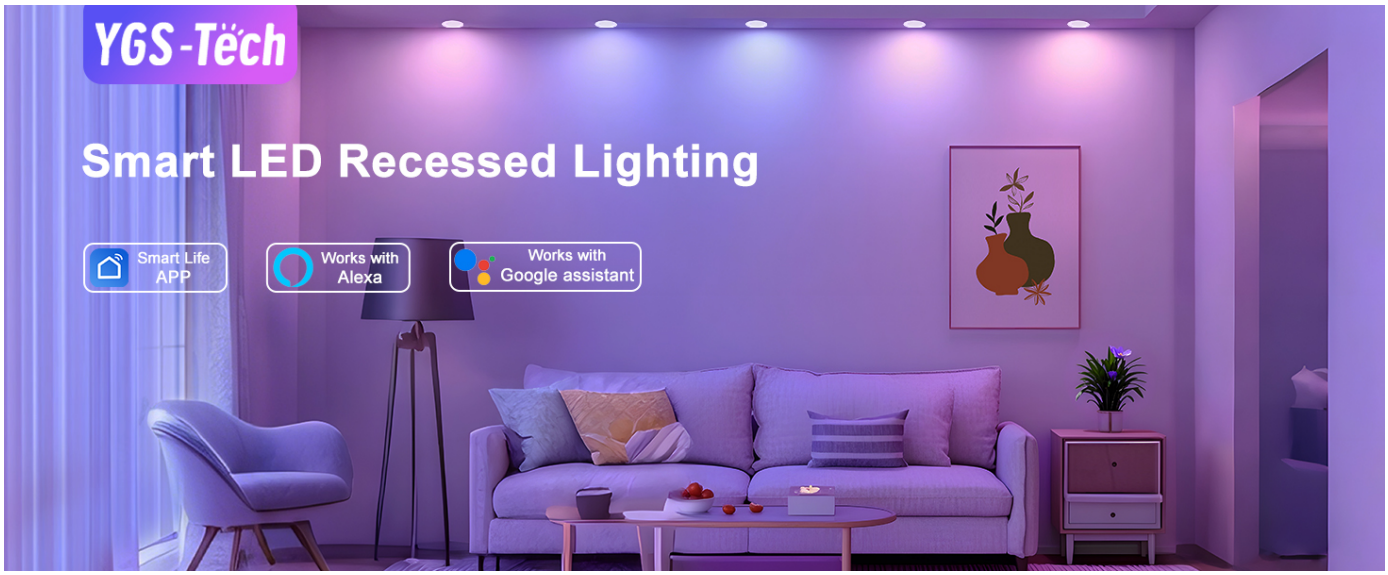


Image: A visual walkthrough of the Smart Life app connection process, showing how to add a new device, select the lighting category, connect to a 2.4GHz Wi-Fi network, and finalize the setup.

6.2 Grouping Devices

For synchronized control of multiple lights, create groups within the Smart Life app:

1. **Select Lights:** In the app, select the recessed lights you wish to add to a group.
2. **Create Group:** Look for an option like "Create Group" or similar functionality within the device settings.
3. **Add to Group:** Add the selected lights to the new group.
4. **Save:** Save the group. You can now control all lights in this group simultaneously.

Grouping Lights in App

Image: A step-by-step visual guide on how to select multiple recessed lights in the Smart Life app and combine them into a single controllable group.

6.3 Smart Features Overview

- **16 Million Colors:** Access a wide spectrum of colors to customize your lighting ambiance.
- **Dimmable (1-100%):** Adjust brightness from 1% to 100% for various needs.
- **Tunable White (2700K-6500K):** Change the white light from warm (2700K) to cool daylight (6500K).
- **Timer Function:** Schedule lights to turn on or off at specific times.
- **Voice Control:** Compatible with Amazon Alexa and Google Home for hands-free control.
- **Scene Modes:** Utilize pre-set scenes or create custom scenes for different activities and moods.
- **Music Mode:** Lights can synchronize with music for dynamic effects.
- **Share Access:** Share control of your smart lights with family members through the app.

Feature Icons



Image: A collection of icons visually summarizing the main functionalities of the smart recessed lights, including color options, dimming, and smart control methods.

Color and Dimming Control



Image: A mobile app interface displaying a color wheel for selecting from 16 million colors, along with sliders to adjust brightness and color saturation.

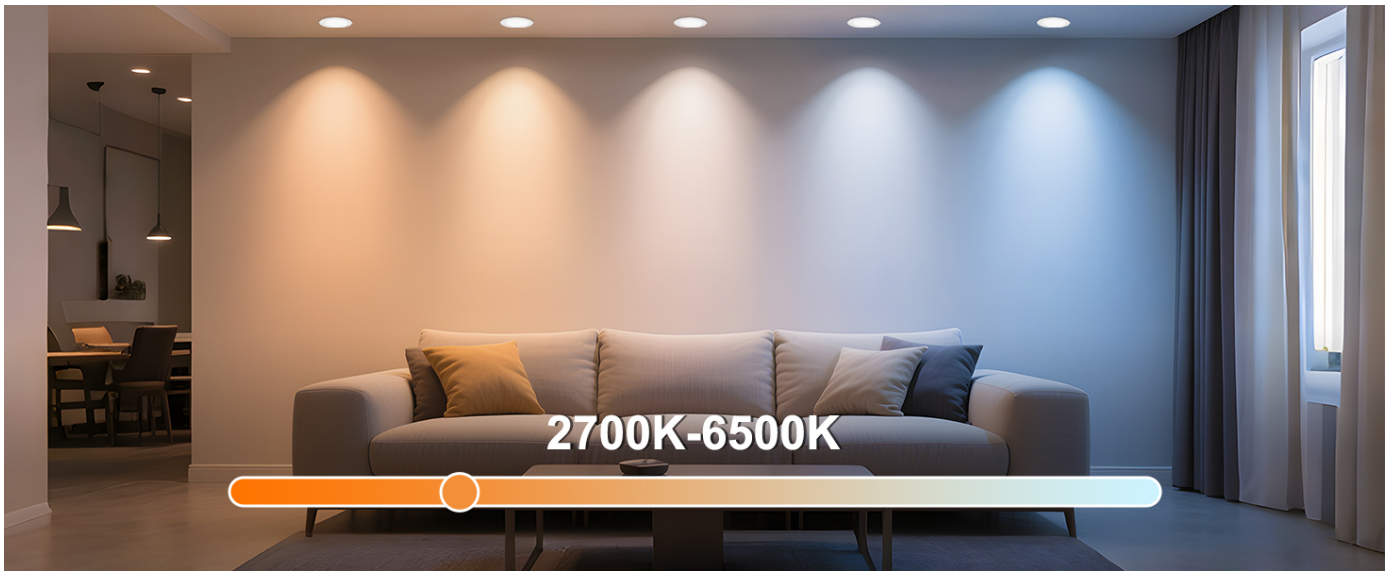


Image: An example of a living space dynamically lit with a range of RGB colors, highlighting the product's ability to produce 16 million colors and support custom

scene modes.



Image: A visual comparison showing the light output at different color temperatures, ranging from warm white to daylight white, and illustrating the dimming capability.

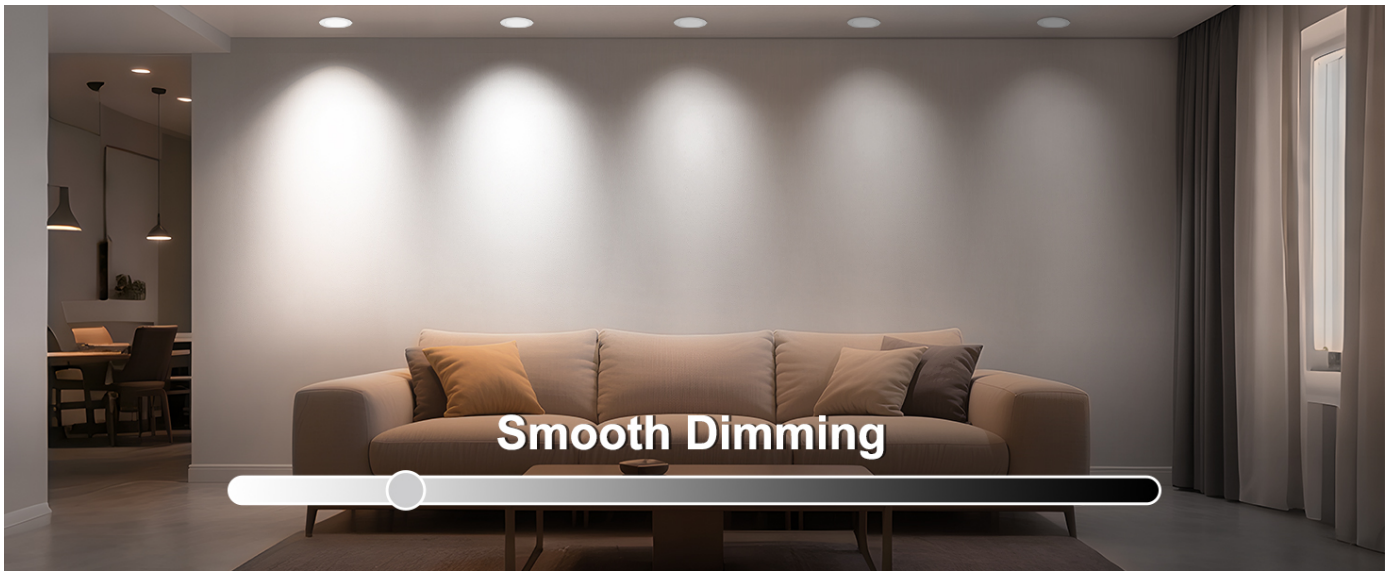


Image: A visual representation of the color temperature adjustment, showing how the light can shift from a warm 2700K to a cool 6500K to suit different preferences.

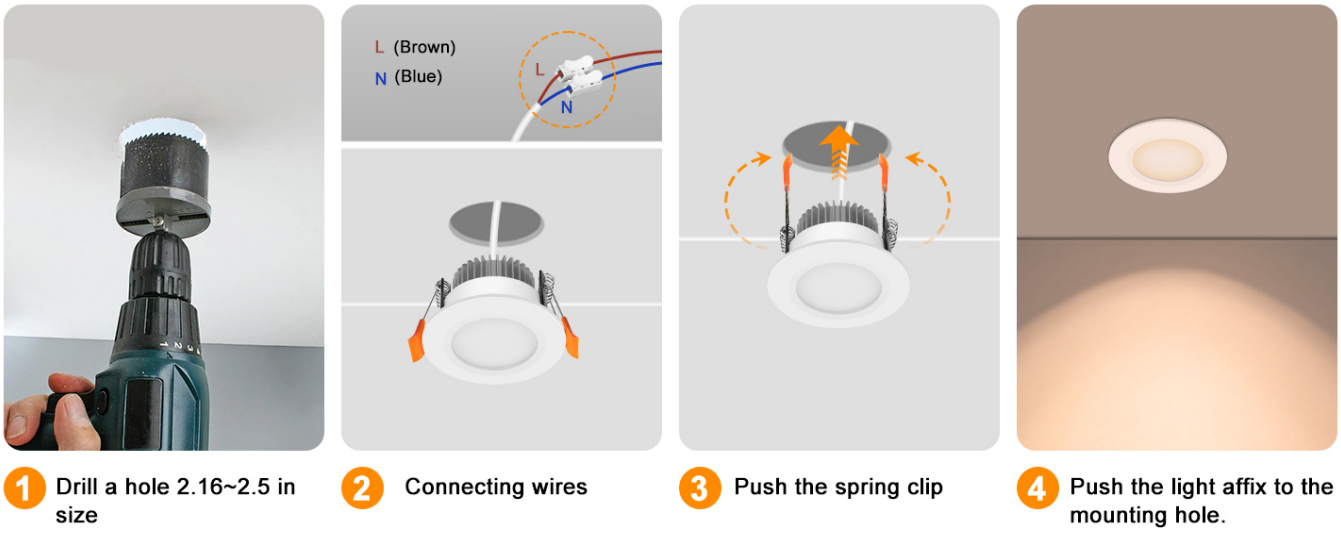


Image: A depiction of the smooth dimming functionality, showing a gradual reduction in light intensity in a room setting.

6.4 Voice Control Integration

Integrate your YGS-Tech smart lights with voice assistants for convenient control:

- **Amazon Alexa:** Open the Alexa app, navigate to 'Skills & Games', search for 'Smart Life', and enable the skill. Link your Smart Life account. Discover devices.
- **Google Home:** Open the Google Home app, tap 'Set up device', then 'Works with Google'. Search for 'Smart Life' and link your account.
- **Voice Commands:** Once linked, you can use commands like "Alexa, turn on the living room lights" or "Hey Google, set bedroom lights to blue."

Voice Control Example



Image: A scene illustrating the use of voice commands with a smart assistant (Alexa) to control the recessed lighting, demonstrating hands-free operation.

6.5 Scene and Music Modes

Enhance your environment with dynamic lighting effects:

- **Scene Customization:** The app offers various pre-set scenes (e.g., Read, Meeting, Leisure, Night, Soft, Colors, Colorful, Gorgeous). You can also create and save your own custom scenes.
- **Music Synchronization:** Activate music mode in the app to have your lights change color and intensity in rhythm with your music.

Scene Customization and Music Mode



Image: A display of different scene customization options within the app, showing how various lighting presets can transform the atmosphere of a room for activities like reading or leisure.



Image: A vibrant scene depicting individuals enjoying an event with dynamic lighting effects, illustrating the music synchronization feature and various entertainment modes available in the app.

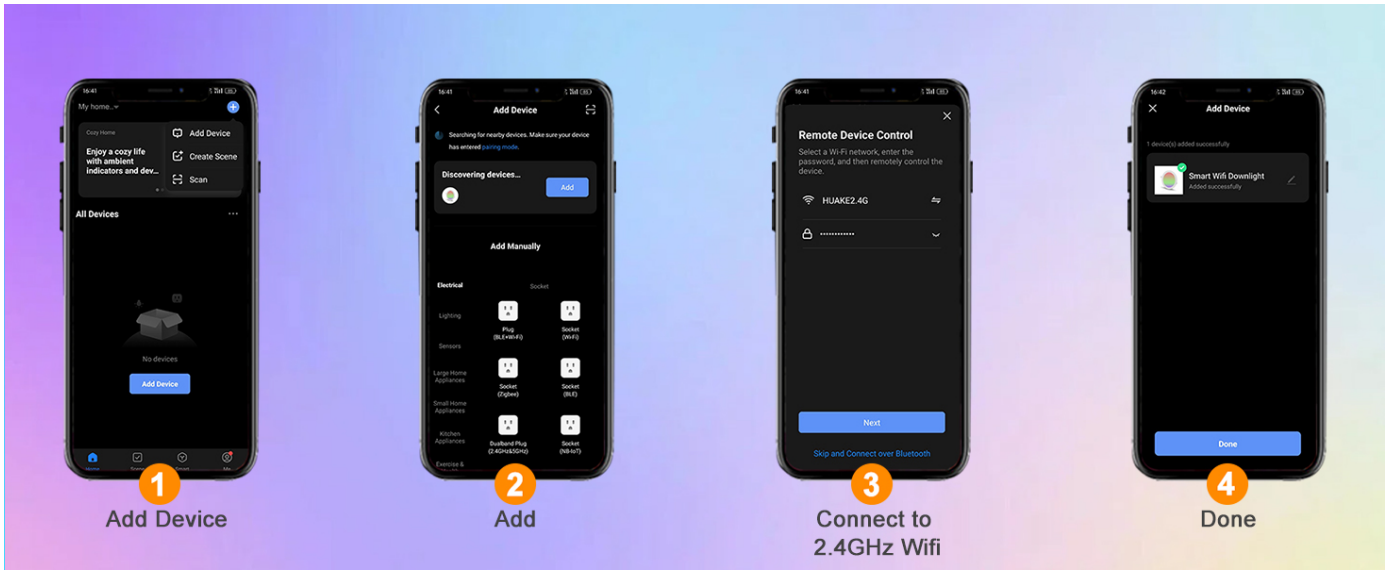


Image: A screenshot of the Smart Life app displaying a selection of diverse scene modes, offering quick access to different lighting atmospheres for various occasions and preferences.

6.6 Scheduling

Automate your lighting with scheduling features:

- Set schedules for lights to turn on or off at specific times, such as turning off at 11:00 PM and turning on at 6:30 AM.
- Customize routines to match your daily schedule or create ambient lighting transitions.

Scheduling Feature

Image: A visual demonstration of the scheduling feature, showing how users can program the lights to turn on or off at specific times, such as for sleep and wake-up routines.

7. Maintenance

To ensure the longevity and optimal performance of your YGS-Tech Smart LED Recessed Lighting, follow these maintenance guidelines:

- **Cleaning:** Ensure the power is off before cleaning. Use a soft, dry cloth to wipe the surface of the fixture. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or electrical components.
- **No User-Serviceable Parts:** The LED components are integrated and not user-replaceable. Do not attempt to disassemble the fixture.
- **Inspection:** Periodically inspect the fixtures for any signs of damage or loose connections. If any issues are found, turn off the power and contact customer support.

8. Troubleshooting

If you encounter issues with your YGS-Tech Smart LED Recessed Lighting, refer to the following common solutions:

Problem	Possible Cause	Solution
Light does not turn on	No power supply; Loose wiring; Faulty fixture.	Check circuit breaker. Ensure all wire connections are secure. If issue persists, contact support.

Cannot connect to Wi-Fi / App	Incorrect Wi-Fi band (5GHz); Incorrect password; Lights not in pairing mode; Weak Wi-Fi signal.	Ensure your phone is connected to a 2.4GHz Wi-Fi network. Re-enter Wi-Fi password carefully. Cycle power to lights (off/on 3-5 times) to enter pairing mode (lights will flash). Move closer to your Wi-Fi router.
Lights flicker or dim unexpectedly	Unstable power supply; Loose connections; Interference.	Check power supply stability. Verify all wiring connections are tight. Ensure no other devices are causing electrical interference.
Voice control not working	Smart Life skill/action not linked; Incorrect device name; Internet connectivity issues.	Verify Smart Life account is correctly linked in Alexa/Google Home app. Use the exact device name configured in the Smart Life app. Check your internet connection.
Colors are not accurate	App calibration issue; Software glitch.	Restart the Smart Life app. If the problem persists, try resetting the light and re-pairing it.

9. Warranty & Support

YGS-Tech provides a quality guarantee for its products.

- **Warranty Period:** The Smart LED Downlight has a life expectancy of more than 40,000 hours. If you experience any issues within two years of purchase, please contact us for assistance.
- **Customer Support:** For technical support, warranty claims, or any questions regarding your YGS-Tech product, please refer to the contact information provided on your purchase receipt or the official YGS-Tech website.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question